








## Process for the ring cleavage of thiazolidine derivatives

**Patent number:** EP1059288  
**Publication date:** 2000-12-13  
**Inventor:** DOERING WOLFGANG DR (DE); STAUDINGER GUENTHER (DE)  
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**Classification:**  
- international: **C07C319/02; C07C319/06; C07D277/06; C07C323/58; C07C319/00; C07D277/00; C07C323/00; (IPC1-7): C07C319/02; C07C323/58**  
- european: C07C319/02; C07C319/06; C07D277/06  
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 US6372912 (B1)  
 JP2000309572 (A)  
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**Cited documents:**

 DE3607167  
 DE2142336  
 US3300508

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Abstract not available for EP1059288

Abstract of corresponding document: **US6372912**

Process for the hydrolytic ring cleavage of thiazolidine derivatives to give 2-aminomercaptan derivatives and carbonyl compounds, which comprises bringing an aqueous solution of the thiazolidine derivative into contact with an acidic cation exchanger in the H<sup>+</sup> form, giving a solution L1 which contains the carbonyl compound and eluting the cation exchanger with a suitable eluent, giving a solution L2 which contains the 2-aminomercaptan derivative.

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**Family list**

7 family members for:

**EP1059288**

Derived from 6 applications.

[Back to EP105](#)

- 1 No English title available**  
Publication info: **AT220663T T** - 2002-08-15
- 2 Hydrolysis of thiazolidine derivative using acidic cation exchanger, giving 2-aminomercaptan derivative, e.g. cysteine or penicillamine, and carbonyl compound in high yield and purity**  
Publication info: **DE19919336 A1** - 2000-11-16
- 3 No English title available**  
Publication info: **DE50000275D D1** - 2002-08-22
- 4 Process for the ring cleavage of thiazolidine derivatives**  
Publication info: **EP1059288 A1** - 2000-12-13  
**EP1059288 B1** - 2002-07-17
- 5 HYDROLYTIC RING-OPENING FOR THIAZOLIDINE DERIVATIVES, PRODUCTION OF CYSTEINE, CYSTEINE METHYL ESTER OR CYSTEINE ETHYL ESTER AND PRODUCTION OF PENICILLAMINE**  
Publication info: **JP2000309572 A** - 2000-11-07
- 6 Process for ring cleavage of thiazolidine derivatives**  
Publication info: **US6372912 B1** - 2002-04-16

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